

## SECTION 4. OFFLINE FILES

### 4.1 GENERAL.

Offline files are used to prepare AF standard and base level listings and reports, and to provide a capability to recover missing or damaged disk and transaction records. These offline files include:

- a. Daily transaction and current month transaction files.
- b. Shared File System (SFS) daily disk files dump tape.
- c. Recovery transaction tape.

### 4.2 DATABASE VERIFICATION.

The header record of each database file contains a date/time stamp (e.g., mmddyyhhmmss), that represents a 6-position system date, and a 6-position system time. This field is programmatically updated with the same value in all 17-database files each time the database is reorganized, or dumped to tape through a standard dump routine (DAREAs, DAREA-FYE#, DAREA#-EOD, and IRUDMP-#BQ). Program NBQS38 is an offline utility program used to check the date/time stamps in the 17-database files to ensure they all match. The verification process takes place when an OP-STATUS is processed, and during database dumps performed with standard dump routines (DAREAs, DAREA-FYE#, DAREA#-EOD, and IRUDMP-#BQ). If all the database file date/time stamps do not match when the OP-STATUS is attempted, an error message is displayed. The functional database owner and the database manager should work closely together to determine a course of action. First, execute program NBQS38, option 1, to produce an ECL execution report containing a display of the date/time for all files. If a mismatch is detected during execution of a standard routine dump, the job will abort and program NBQS38 will produce a Database Verification List (ABQS3MUNPL10), which should be distributed to the functional user. See figure 4-1. The list of file date/time stamps is also displayed in the NBQS38 ECL execution report. Database corruption can result from an error during a database load, or if a system failure occurs during an online session. In every case, the files should be reviewed to determine the cause, if the database is at the proper position. There are three options available.

a. Option 1. This option (BQ\$\$<ALN>\*00RBQS38) reads the date/time stamps on all database files and prints it on the ECL execution report.

b. Option 2. This option (BQ\$\$<ALN>\*00RBQS38,1,) verifies all database files date/time stamps agrees. If the database does not match, the job will abort.

c. Option 3. This option (BQ\$\$<ALN>\*00RBQS38,2,) stamps the same new date/time stamps on all database files, regardless of previous date/time stamps. **WARNING:** Be very careful when using NBQS38, because the program will not correct any errors that may be causing the corruption. See DFAS-DE 7071.2-M, section 3 (formerly AFM 171-370, volume I), for additional guidance on the options available.

#### **4.3 DAILY AND CURRENT MONTH TRANSACTION FILE.**

a. Daily Transaction File. This file is created as part of EOD processing. It lists all transactions records created on disk as a result of daily or interface processing. This file is used daily to update the current month transaction file, provide input to the daily MAFR programs, and provide input to interface systems which obtain dollar data directly from A&F input.

b. Current Month Transaction File. This file list all transactions processed during the current month including transactions, which have a prior month effective date. It is used to prepare the selective transaction history listings.

#### **4.4 SFS DAILY DISK FILES DUMP TAPE.**

A SFS dump of disk files to tape is made each day when the disk files are closed. This dump tape has all the records on the disk files at EOD, and is used to recover GAFS disk files when damaged or destroyed. This recovery replaces the CSRs, FSRs, PSRs, DSRs, and control record. Section 38 describes the recovery process in detail.

#### **4.5 RECOVERY TRANSACTION TAPE.**

All input transactions of online systems (GAFS, Personnel, Civil Engineer, etc.,) processed through remote devices or by pseudo remote input are written to a transaction tape in their exact input image. All GAFS transactions processed through pseudo remote and accepted transactions by the online are included on this tape. This daily tape is a safety file to ensure all accepted input transactions are captured for use if recovery becomes necessary. The Defense Enterprise Computing Center (DECC) stores this tape for use on an as-required basis to recover disk or tape files.

PREPARED 99 APR 14

## DATABASE CORRUPTION ERROR LIST

PCN SH069-S38

MSAM FILE	DATE TIMESTAMP	REMARKS
2BQ090128500*ZBQC0AUNDD10	041098181651	
2BQ090128500*ZBQC1AUNDD10	041098181651	
2BQ090128500*ZBQC2AUNDD10	041098181651	
2BQ090128500*ZBQC3AUNDD10	041098181651	
2BQ090128500*ZBQC4AUNDD10	041098181651	
2BQ090128500*ZBQCCAUNDD10	041498135310	POSSIBLE DATABASE CORRUPTION, SEE DFAS-DE 7071.2-M, PARA 4.1.1
2BQ090128500*ZBQCSAUNDD10	041098181651	
2BQ090128500*ZBQDDAUNDD10	041098181651	
2BQ090128500*ZBQFFAUNDD10	041098181651	
2BQ090128500*ZBQPPAUNDD10	041098181651	
2BQ090128500*ZBQRRRAUNDD10	041098181651	
2BQ090128500*ZBQTDAUNDD10	041098181651	
2BQ090128500*ZBQTFAUNDD10	041098181651	
2BQ090128500*ZBQTMAUNDD10	041098181651	
2BQ090128500*ZBQTOAUNDD10	041098181651	
2BQ090128500*ZBQTRAUNDD10	041098181651	
2BQ090128500*ZBQTTAUNDD10	041498135310	POSSIBLE DATABASE CORRUPTION, SEE DFAS-DE 7071.2-M, PARA 4.1.1

THE FOLLOWING PROGRAM(S) AND VERSION DATE(S) WERE USED IN CREATING THIS REPORT :  
NBQS380UABS0 - 990407

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Figure 4-1. Database Corruption Error List.